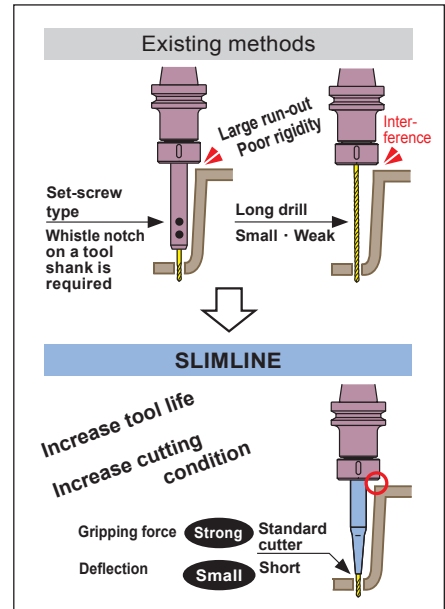
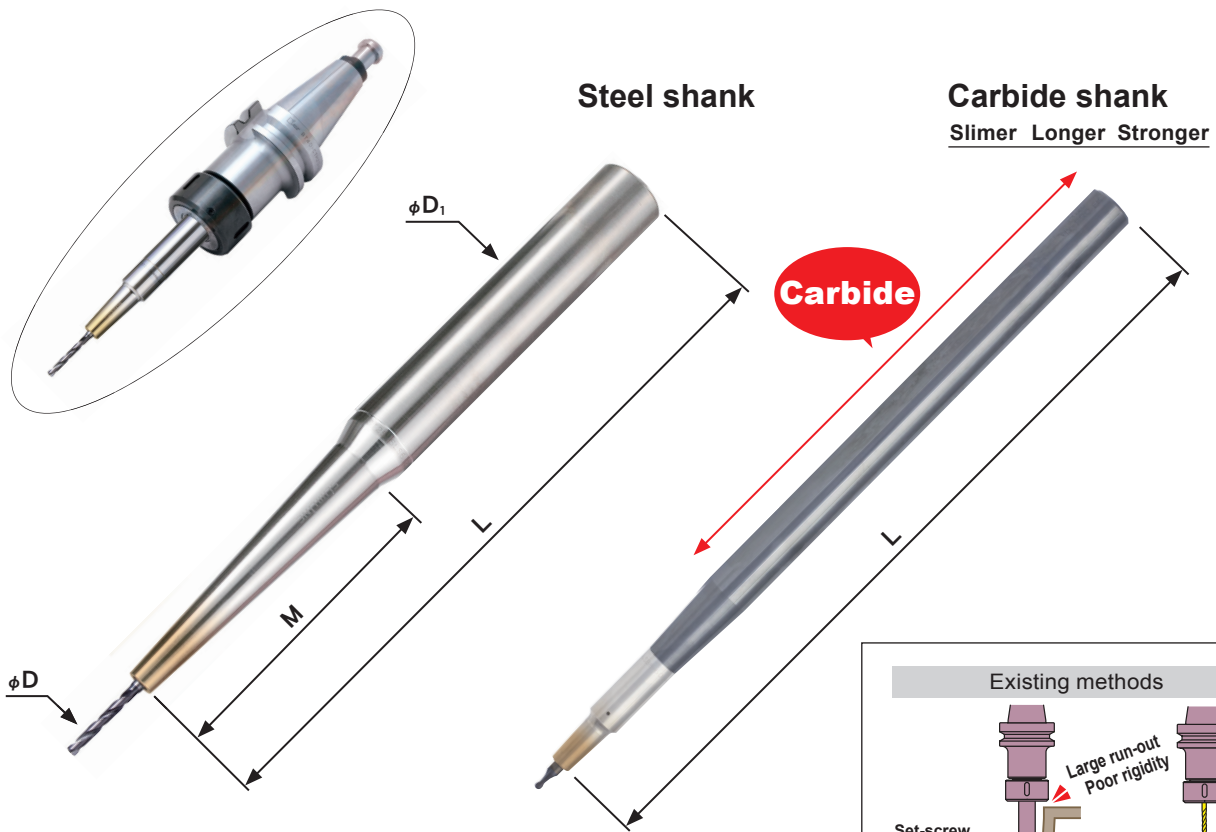


STRAIGHT arbor

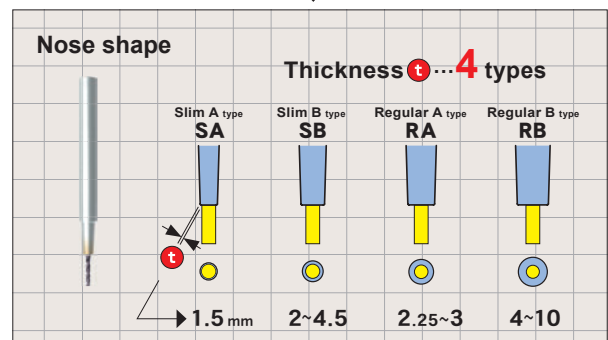
■ Extends accurately the standard cutter.



ST10 C-SL SA 3-110-M42

STRAIGHT arbor ϕD_1 Carbide shank SLIMLINE ϕD L Effective length

METRIC	10
	12
	16
	20
	25
	32
	42
INCH	19.05
	25.4



Standard type



Fig. 1

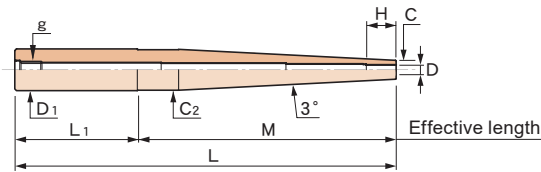
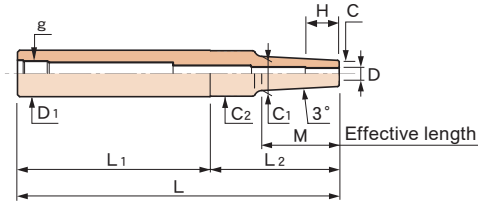




Fig. 2



Caution
●Setting cutters...Be sure to insert the tool beyond the safety mark.

Compatibility table for HRD-01S
[○] Available [x] Not available

CODE	Fig.	φD	φC	t	L	M	D1	H	L1	L2	φC1	φC2	g	h	Kg lbs	
ST10-SLSA3- 80-M 35	1	3	6	1.5	80	35	10	9	45	—	—	9.3	M 6	64	0.03	○
ST16-SLRA3- 90-M 22	2		7.5	2.25	90	22	16		60	30	9.8	15.5	M10	62	0.09	○
-SLSA3-115-M 42			6	1.5	115	42				55	10.4			87		○
-SLRA3-115-M 42			7.5	2.25					65	50	11.9				0.1	○
-SLSA3-140-M 67			6	1.5	140	67			60	80	13			112		○
-SLRA3-140-M 67			7.5	2.25					65	75	14.5					○
ST20-SLRA3-175-M 97					175	97	20		70	105	17.7	19.5		147		○
-SLSA3-200-M 97			6	1.5	200				90	110	16.2			172	0.3	○
ST25-SLSA3-245-M 97					245		25		120	125		24.5		217	0.6	○
-SLRA3-245-M 97			7.5	2.25							17.7					○
-SLSA3-315-M195	1		6	1.5	315	195				—	—			287		○
-SLRA3-315-M 67	2		7.5	2.25		67			220	95	14.5				0.9	○
ST10-SLSA3.175-80-M35	1	3.175	6.175	1.5	80	35	10	10	45	—	—	9.3	M 6	64	0.03	○
ST19.05-SLS1/8-200	2	1/8	.24	.059	7.87	3.82	.750	.38	3.54	4.33	.64	.728	M10	7.20	0.62	○
ST10-SLSA4- 80-M 35	1	4	7	1.5	80	35	10	12	45	—	—	9.5	M 6	64	0.03	○
ST16-SLRA4- 90-M 22	2		10	3	90	22	16		60	30	12.3	15.5	M10	62	0.09	○
-SLSA4-115-M 42			7	1.5	115	42				55	11.4			87	0.1	○
-SLRA4-115-M 42			10	3					65	50	14.4					○
-140-M 60	1				140	60			80	—	—			112		○
-SLSA4-140-M 67	2		7	1.5		67			60	80	14					○
ST20-SLRA4-175-M 95	1		10	3	175	95	20		80	—	—	19.5		147	0.3	○
-SLSA4-200-M 97	2		7	1.5	200	97			90	110	17.2			172		○
ST25-SLSA4-245-M 97					245		25		120	125		24.5		217	0.6	○
-SLRA4-245-M 97			10	3							20.2					○
-315-M 67					315	67			220	95	17			287	0.9	○
-SLSA4-315-M195	1		7	1.5		195			120	—	—				0.7	○
ST19.05-SLS3/16-200	1	3/16	.31	.059	7.87	4.33	.750	.59	3.54			.728	M10	7.20	0.55	○
ST10-SLSA5- 80-M 35	1	5	8	1.5	80	35	10	15	45	—	—	9.5	M 6	70	0.03	○
ST20-SLSA5-200-M110					200	110	20		90			19.2	M10	182	0.3	○
ST25-SLSA5-290-M 97	2				290	97	25		180	110	18.2	24.5		272	0.8	○

CODE	Fig.	φD	φC	t	L	M	D ₁	H	L ₁	L ₂	φC ₁	φC ₂	g	h				
ST12-SLSA 6- 80-M 35	1	6	9	1.5	80	35	12	18	45	—	—	11.5	M 8	52	0.04	○		
ST16-SLSA 6-115-M 42	2				10	2	115		42	16	60	55	13.4	15.5	M10		87	0.1
-SLSB 6-115-M 42							65		50	14.4								
ST20-SLRB 6-120-M 42			14	4	120		20		70		18.4	19.5		92	0.2			
ST16-SLSB 6-140-M 60	1		10	2	140	60	16		80	—	—	15.5		112	0.1			
-SLSA 6-140-M 70			9	1.5		70			70									
ST20-SLSA 6-175-M105			10	2	175	105	20					19.5		147	0.3			
-SLSB 6-175-M 95						95					80							
-SLRB 6-175-M 60						14	4		60		115							
ST25-SLSB 6-205-M127	2		10	2	205	127	25		70	135	23.3	24.5		177	0.5			
-SLSA 6-230-M 97			9	1.5	230	97			120	110	19.2			202				
-SLRB 6-240-M 42			14	4	240	42			170	70	18.4			212	0.7			
ST32-SLSB 6-255-M157			10	2	255	157	32		70	185	26.5	31.5	M16	227	0.8			
ST25-SLSA 6-305-M185	1	9	1.5	305	185	25	120	—	—	24.5	M10	277						
ST32-SLRB 6-345-M 67	2	14	4	345	67	32	250	95	21	31.5	M16	317	1.6					
-SLSB 6-375-M157		10	2	375	157		190	185	26.5			347	1.4					
ST19.05-SLS1/4-200	2	1/4	.37	.059	7.87	3.94	.750	.71	3.94	3.94	—	.728	M10	7.20	0.55	○		
ST25-SLSA 7-230-M 97	2	7	10	1.5	230	97	25	20	120	110	20.2	24.5	M10	212	0.5	○		
-320-M 97					320				210						302	0.9		
ST20-SLRB 8-100-M 30	1	8	18	5	100	30	20	24	70	—	—	19.5	M10	72	0.2	○		
ST16-SLSA 8-115-M 50					11	1.5	115		50	16	65			15.5			87	0.1
ST20-SLSB 8-145-M 70							13		2.5	145	70	20	75				19.5	
ST25-SLRB 8-160-M 42	2		18	5	160	42	25		110	50	22.4	24.5		132	0.5			
ST20-SLSA 8-175-M 85	1		11	1.5	175	85	20		90	—	—	19.5		147	0.3			
ST25-SLSB 8-175-M 97	2		13	2.5		97	25		70	105	23.2	24.5			0.4			
-SLRB 8-210-M 90	1		18	5	210	90			120	—	—			182	0.6			
-SLSA 8-230-M 97	2		11	1.5	230	97				110	21.2			202				
-SLSB 8-260-M140	1		13	2.5	260	140				—	—			232	0.7			
-SLSA 8-280-M160			11	1.5	280	160								252				
ST32-SLRB 8-285-M 67	2		18	5	285	67	32		190	95	25	31.5	M16	257	1.3			
-SLSB 8-375-M157			13	2.5	375	157				185	29.5			347	1.5			
ST25-SLSA 9-230-M 97	2		9	12	1.5	230	97		25	30	120	110	22.2	24.5	M10		60	0.6
-320-M 97		320							210						60	0.9		
ST25.4-SLS3/8-230	2	3/8	.49	.059	9.06	3.82	1	11.18	4.72	4.33	.89	.965	M10	2.36	1.43	○		
ST25-SLRB10-120-M 35	1	10	22	6	120	35	25	30	85	—	—	24.5	M10	60	0.4	○		
ST20-SLSB10-120-M 50					16	3	50		20		70			19.5				0.2
ST25-SLSB10-145-M 67	2						145		67	25		75	23	24.5				
ST20-SLSA10-145-M 70	1		13	1.5		70	20		75	—	—	19.5			0.2			
ST25-SLSB10-175-M105			16	3	175	105	25		70			24.5		154	0.5			
-SLRB10-210-M 90			22	6	210	90			120					149	0.7			
ST32-SLSB10-240-M170			16	3	240	170	32		70			31.5	M16	212	0.9			
ST25-SLSA10-255-M135			13	1.5	255	135	25		120			24.5	M10	194	0.7			
-SLSB10-275-M105			16	3	275	105			170						0.8			
ST32-SLRB10-285-M 67	2		22	6	285	67	32		190	95	29	31.5	M16	257	1.4			
-SLSA10-340-M210	1		13	1.5	340	210			130	—	—			312	1.3			
-SLSB10-360-M170			16	3	360	170			190					332	1.5			
ST42-SLSB10-445-M157	2				445	157	42		260	185	32.5	41.5	M24	417	2.7		×	
ST25-SLSA11-230-M110	1	11	14	1.5	230	110	25	30	120	—	—	24.5	M10	60	0.6	○		
-320-M110					320				210						60		0.9	

Feature
Shrink-fit Heater
MONO 3° MONO CURVE
MONO Series
2PIECE type
UNO
HYPER version
STRAIGHT arbor
OTHERS
PERIPHERALS
Technical Information



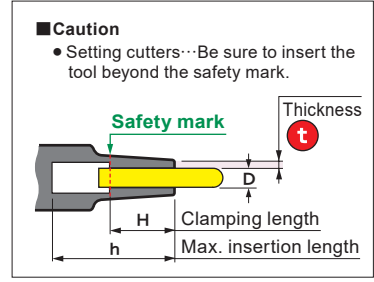
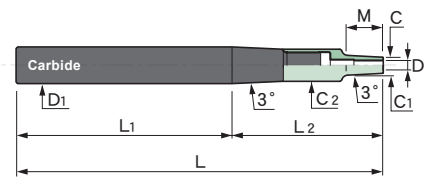
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ST25-SLSB12-120-M 42	2	12	19	3.5	120	42	25	30	70	50	23.4	24.5	M10	60	0.3	○	
ST20-SLSA12-120-M 50	1		15	1.5		50	20								0.2	○	
ST32-SLRB12-140-M 60	1		26	7	140	60	32		80	0.7	×						
ST25-SLSB12-150-M 80			19	3.5	150	80	25		70	24.5	M10	60	0.4	○			
ST32-SLSB12-220-M150			220	150	32	31.5	M16		192	0.9	○						
ST25-SLSA12-230-M110			15	1.5	230	110	25		120	24.5	M10	60	0.6	○			
-SLSB12-250-M 80			19	3.5	250	80	170		0.8	○							
ST32-SLRB12-260-M 70			26	7	260	70	32		190	31.5	M16	232	1.3	×			
-SLSA12-315-M185			15	1.5	315	185	130		287	1.2	○						
-SLSB12-340-M150			19	3.5	340	150	190		312	1.5	○						
ST42-SLSB12-445-M157			2	445	157	42	260		185	35.5	41.5	M24	417	2.8	×		
ST25.4-SLS1/2-230			1	1/2	.62	.059	9.06		4.33	1	1.18	4.72	4.33	-	.965	M10	2.36
ST32-SLRB16-175-M 45	1	16	32	8	175	45	32	32	130	-	-	-	M16	80	0.8		
ST25-SLSB16-175-M 50			24	4		50	25		125	M10	0.5						
ST32-SLSB16-290-M100			290	100	32	190	31.5		M16	1.4							
ST42-SLRB16-355-M 67			2	32	8	355	67		42	260	95	39	41.5	M24	327	2.7	
-SLSB16-445-M157			1	24	4	445	157		-	40.5	417	3					
ST42-SLRB20-170-M 70	1	20	38	9	170	70	42	40	100	-	-	41.5	M24	142	1.3		
ST32-SLSB20-175-M 50			29	4.5		175	50		32	125	31.5	M16	80	0.8			
ST42-SLSB20-255-M155			255	155	42	100	41.5		M24	227	1.7						
-SLRB20-330-M 70			38	9	330	70	260		302	2.6							
-SLSB20-415-M155			29	4.5	415	155	387		2.9								
ST42-SLRB25-170-M 42			2	25	45	10	170		42	42	45	100	70	49.6	53	M24	120
-250-M 42	250	180			49.4	50	80	2.1									

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Carbide type



ST16C-SLSB6-225

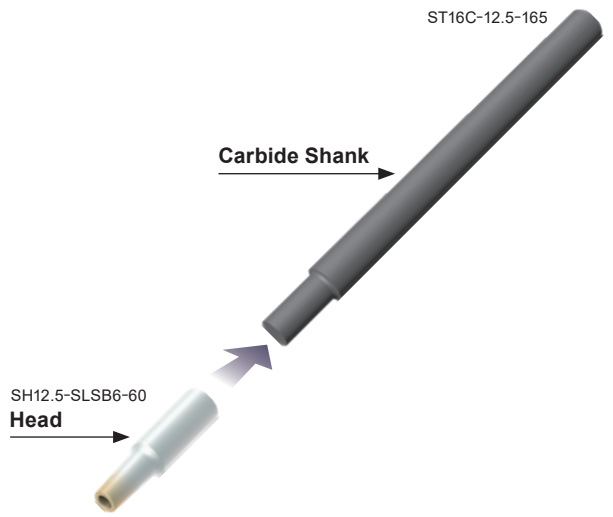


Thickness

CODE	ϕD	ϕC	t	L	M	ϕD_1	H	L ₁	L ₂	ϕC_1	ϕC_2	h	Kg				
ST10C-SLSA 3-160	3	6	1.5	160	12	10	9	120	40	7.3	10	19	0.2				
ST16C-SLSA 3-280				280		16		182					98	0.7			
ST10C-SLSA 4-160	4	7	1.5	160	12	10	12	120	40	8.3	10	19	0.2				
ST16C-SLSA 4-280				280		16		182					98	0.7			
ST12C-SLSB 6-175	6	10	2	175	19.1	12	18	125	50	—	12	27	0.3				
ST16C-SLSB 6-225				225		16		165					60	12.3	16	32	0.6
ST20C-SLSB 6-320				320		20		221					99	20	38	2.2	
ST25C-SLSB 6-360				360		25		242					118				
ST16C-SLSB 8-225	8	13	2.5	225	22	16	24	165	60	15.3	16	32	0.6				
ST20C-SLSB 8-270				270		20		200					70	20	38	1.1	
ST25C-SLSB 8-360				360		25		242					118	2.2			
ST20C-SLSB10-270	10	16	3	270	22	20	30	200	70	18.3	20	38	1.1				
ST25C-SLSB10-360				360		25		242					118	2.2			

The Parts Code List for Carbide Straight Arbor

SET-CODE	CARBIDE SHANK	HEAD
ST10C-SLSA 3-160	ST10C- 7 -120	SH 7 -SLSA 3-40
-SLSA 4-160		-SLSA 4-40
ST12C-SLSB 6-175	ST12C- 9 -125	SH 9 -SLSB 6-50
ST16C-SLSA 3-280	ST16C- 7 -240	SH 7 -SLSA 3-40
-SLSA 4-280		-SLSA 4-40
-SLSB 6-225	-12.5-165	SH12.5 -SLSB 6-60
-SLSB 8-225		SH12.5 -SLSB 8-60
ST20C-SLSB 6-320	ST20C-12.5-260	SH12.5 -SLSB 6-60
-SLSB 8-270	-16 -200	SH16 -SLSB 8-70
-SLSB10-270		SH16 -SLSB10-70
ST25C-SLSB 6-360	ST25C-16 -290	SH16 -SLSB 6-70
-SLSB 8-360		-SLSB 8-70
-SLSB10-360		-SLSB10-70



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